

Claims

What is claimed is:

1. A wheel-balancing weight for mounting to a wheel with a flange, the weight comprising a weighted body and a clip securely attached thereto, the clip having a gripping section and the body having a gripping portion generally opposite the gripping section of the clip, the gripping section of the clip and the gripping portion of the body in combination defining a compartment therebetween, the compartment for receiving the flange therein when the weight is mounted thereto such that the gripping section of the clip and the gripping portion of the body are on opposite sides of the flange and grip the flange therebetween.

2. The weight of claim 1 wherein:

the weighted body has a number of apertures therethrough;

the clip has a like number of apertures therethrough, each aperture in the clip corresponding to an aperture in the body, the weight further comprises a like number of attaching members, each attaching member being inserted through a corresponding

aperture of the clip and into a corresponding aperture of the body to secure the clip to the body.

3. The weight of claim 2 comprising two apertures in the body, two apertures in the clip and two attaching members.

4. The weight of claim 2 wherein the wheel has an axis and each aperture in the clip, each aperture in the body, and each attaching member is axially aligned to be generally parallel to the axis of the wheel.

5. The weight of claim 2 wherein the attaching member is a stud maintaining a tight interference fit within the corresponding aperture of the body.

6. The weight of claim 1 wherein:

the weighted body has a number of protrusions extending therefrom;

the clip has a like number of apertures therethrough, each aperture in the clip corresponding to a protrusion on the body, each protrusion being fitted through a corresponding aperture of the clip and being compressed and flattened against the clip to secure the clip to the body.

7. The weight of claim 6 comprising two protrusions in the body and two apertures in the clip.

8. The weight of claim 6 wherein the wheel has an axis and each aperture in the clip and each protrusion on the body is axially aligned to be generally parallel to the axis of the wheel.

9. The weight of claim 1 where the body is constructed from steel.

10. The weight of claim 1 wherein:
the flange has a generally axially extending lip extending from a generally radially extending brim, the lip and brim in combination defining a pocket,

the body has a flange face for facing toward the flange, the flange face including the gripping portion for facing toward the lip of the flange and a brim portion for facing toward the brim of the flange;

the body further has an attaching face, the gripping portion of the flange face extending generally normally from the attaching face and curving toward and joining the brim portion of the flange face, the brim portion of the flange face being generally opposite the attaching face, and

the clip has an attaching section by which the clip is attached to the body at the attaching face thereof and the gripping section extending from the attaching section, the gripping section of the clip curving along with but separable from the gripping portion of the flange face of the body.

11. A vehicle having a wheel with a flange and a wheel-balancing weight mounted to the flange of the wheel, the weight comprising a weighted body and a clip securely attached thereto, the clip having a gripping section and the body having a gripping portion generally opposite the gripping section of the clip, the gripping section of the clip and the gripping portion of the body in combination defining a compartment therebetween, the compartment receiving the flange therein such that the gripping section of the clip and the gripping portion of the body are on opposite sides of the flange and grip the flange therebetween.

12. The vehicle of claim 11 wherein:

the weighted body has a number of apertures therethrough;

the clip has a like number of apertures therethrough, each aperture in the clip corresponding to an aperture in the body,

the weight further comprises a like number of attaching members, each attaching member being inserted through a corresponding aperture of the clip and into a corresponding aperture of the body to secure the clip to the body.

13. The vehicle of claim 12 comprising two apertures in the body, two apertures in the clip and two attaching members.

14. The vehicle of claim 12 wherein the wheel has an axis and each aperture in the clip, each aperture in the body, and each attaching member is axially aligned to be generally parallel to the axis of the wheel.

15. The vehicle of claim 12 wherein the attaching member is a stud maintaining a tight interference fit within the corresponding aperture of the body.

16. The vehicle of claim 11 wherein:

the weighted body has a number of protrusions extending therefrom;

the clip has a like number of apertures therethrough, each aperture in the clip corresponding to a protrusion on the body, each protrusion being fitted through a corresponding aperture of the clip and being compressed and flattened against the clip to secure the clip to the body.

17. The vehicle of claim 16 comprising two protrusions in the body and two apertures in the clip.

18. The vehicle of claim 16 wherein the wheel has an axis and each aperture in the clip and each protrusion on the body is axially aligned to be generally parallel to the axis of the wheel.

19. The vehicle of claim 11 where the body is constructed from steel.

20. The vehicle of claim 11 wherein:

the flange has a generally axially extending lip extending from a generally radially extending brim, the lip and brim in combination defining a pocket,

the body has a flange face facing toward the flange, the flange face including the gripping portion facing toward the lip of the flange and a brim portion facing toward the brim of the flange;

the body further has an attaching face, the gripping portion of the flange face extending generally normally from the attaching face and curving toward and joining the brim portion of the flange face, the brim portion of the flange face being generally opposite the attaching face, and

the clip has an attaching section by which the clip is attached to the body at the attaching face thereof and the gripping section extending from the attaching section, the gripping section of the clip curving along with but separable from the gripping portion of the flange face of the body.